

## Claims

1. (Cancelled)

5 2. (Cancelled)

3. (Cancelled)

10 4. (Amended) An immobilization support comprising, on the surface of the support, an electrolyte thin film as an adsorbing film for binding a material, wherein the electrolyte thin film is formed by alternately layering a polyanionic thin film and a polycationic thin film so that the uppermost layer is a polycationic thin film.

15 5. (Amended) The immobilization support according to Claim 4 wherein the immobilization support is used for immobilizing a material that binds to a substance to be detected or a material that has an affinity therefor.

20 6. (Amended) The immobilization support according to Claim 4 wherein the immobilization support is used for immobilizing a biologically-derived material such as a protein, a glycoprotein, a peptide, a glycopeptide, a polysaccharide, a nucleic acid, a lipid, or a glycolipid, a cell, or a material that binds thereto or a material that has an affinity therefor.

25 7. (Amended) A solid phase wherein a material that binds to a

substance to be detected or a material that has an affinity therefor is immobilized on the immobilization support according to Claim 4.

- 5 8. (Amended) A solid phase wherein a biologically-derived material such as a protein, a glycoprotein, a peptide, a glycopeptide, a polysaccharide, a nucleic acid, a lipid, or a glycolipid, a cell, or a material that binds thereto or a material that has an affinity therefor is immobilized on the immobilization support according to Claim 4.